

Quantity	Designator	DeLaval art no	Value	Case	Description	Comment	Manufacturer
1	A1	2150013350			High Efficiency	Antenna coil w	
35	C1, C2, C3, C7,	85811026	100NKX	0402	Ceramic Chip C	0402 100n 10%	Murata Manufa
8	C5, C16, C18, C	2150004762	1U0KV	0402	Ceramic Chip C	0402 1u 10% 2	Murata Manufa
10	C6, C8, C9, C12	2150003745	4U7MV	0402	Ceramic Chip C	0402 4.7uF 20%	Samsung
14	C22, C26, C28,	90637732	10UKX	1206	Ceramic Chip C	1206 10u 10%	Samsung
9	C23, C53, C90,	92959739	1U0KV	0603	Ceramic Chip C	0603 1u 10% 5	Samsung
1	C27	2150003285	47PJN	0402	Ceramic Chip C	0402 47p 5% 5	Samsung
3	C29, C59, C88	85811038	10NKX	0402	Ceramic Chip C	0402 10n 10%	Samsung
2	C41, C42	2150008064	1U0KX	1206	Ceramic Chip C	1206 1u 10% 1	Samsung
10	C44, C45, C46,	85811032	2N2KX	0402	Ceramic Chip C	0402 2.2n 10%	Samsung
3	C51, C60, C62	85811034	330PJN	0402	Ceramic Chip C	0402 330p 10%	Samsung
1	C99	2150014573	4U7KV	0805	Ceramic Chip C	0805 4.7u 10%	Samsung
9	D1, D4, D5, D6,	2150003750	PESD3V3L	SOD-882	Low capacitanc	SOD-882 PESD	Nexperia
8	D2, D3, D81, D	91753209	1N4148X	SOD-523	Switching Diode	1N4148X	MCC Micro Cor
9	D10, D11, D12,	85634815	PMEG4010	SOD-993	40V 1A low VF	PMEG4010AES	Nexperia
15	D21, D22, D23,	2150010043	ARGB1313	(SMD-6)	LED Small and	ARGB1313HS-T	Stanley Electro
17	D39, D40, D41,	85634816	MBRAF440	SMA-FL	Schottky Power	MBRAF440	ON Semicondu
4	D46, D53, D54,	90526618	SMAJ26CA	DO-214AC	Transient Volta	SMAJ26CA-TP	MCC Micro Cor
2	D47, D79	90526617	SMA6J26A	DO-214AC	Transient Volta	SMA6J26A-TR	ST Microelectr
1	D100	2150014574	156125RV73000	(SMD-4)	SMD Bi-color G	LED 156125RV	Würth Elektron
1	L1	2150003715	2U2M	0806	FIXED IND 2.2U	0806 MAKK201	Taiyo Yuden
1	L2	85635312	33UM	(SMD-2)	FIXED IND 33U	NRS6028T330N	Taiyo Yuden
2	L3, L4	85635313	10UM	(SMD-2)	Wire-wound in	LQH32PN100M	Murata Manufa
2	P1, P2	490105797			PCB pin header	OQ125E00B00	ANYTEK
2	P3, P5	2150014575	503480-2400		Easy-On FFC/F	Connector Mol	Molex
1	P4	2150014727			Header 10pin 1	FTSH-105-01-L	Samtec
1	P6	2150003713			Header 4pin 1.	FTSH-102-01-F	Samtec
1	Q1	85652308	DTC114	SC-75	NPN Bias Resis	DTC114EET1G	ON Semicondu
1	Q2	85652405	PBLS4002	SOT-363	NPN/PNP pair	PBLS4002Y	Nexperia
2	Q3, Q5	2150003737	DMP2035U	SOT-23	MOSFET, P-CH	DMP2035U	Diodes Inc.
1	Q4	2150014576	AO3434A	SOT-23	30V N-Channel	AO3434A, 30V	Alpha & Omeg
2	R1, R2	85810992	348RFW	0402	Thick film chip	0402 348R 1%	Vishay
2	R3, R5	85810995	11K0FW	0402	Thick film chip	0402 11K0 1%	Vishay
8	R4, R6, R23, R5	85810986	2K49FW	0402	Thick film chip	0402 2K49 1%	Vishay
2	R7, RF1	85810902	0RW	0402	Thick film chip	0402 0R 1% 50	Vishay
10	R12, R18, R21,	85810989	48K7FW	0402	Thick film chip	0402 48K7 1%	Vishay
8	R13, R14, R15,	85810950	560RFW	0402	Thick film chip	0402 560R 1%	Vishay
2	R19, R51	98982182	4K70FW	0805	Thick film chip	0805 4K70 1%	Rohm Semicon
9	R20, R31, R39,	85810975	150KFW	0402	Thick film chip	0402 150K 1%	Vishay
6	R24, R25, R64,	85810997	49R9FW	0402	Thick film chip	0402 49R9 1%	Vishay
6	R26, R27, R32,	85810994	100KBZ	0402	Thin film chip r	0402 100K 0.1%	Yageo
1	R28	85810995	11K0BZ	0402	Thin film chip r	0402 11K 0.1%	Yageo
3	R29, R77, R79	85810998	5K76BZ	0402	Thin film chip r	0402 5K76 0.1%	Yageo
2	R33, R48	85583259	390RFW	0603	Thick film chip	0603 390R 1%	Panasonic
2	R34, R81	85810996	33K0BZ	0402	Thin film chip r	0402 33K0 0.1%	Yageo
6	R35, R36, R37,	85583204	3K90FW	0603	Thick film chip	0603 3K90 1%	KOA Speer Elec
8	R55, R56, R57,	98982180	1K00FW	0805	Thick film chip	0805 1K00 1%	Rohm Semicon
1	R68	2150014577	0R47FW	0603	Thick film chip	0603 0R47 1%	Panasonic
3	R83, R84, R85	90551213	100RFW	0805	Thick film chip	0805 100R 1%	Rohm Semicon

6	R86, R87, R88,	98982183	750RFW	0805	Thick film chip	0805 750R 1%	Rohm Semicon
1	U1	2150014578	CY8C6347BZI-BLD54	BGA-124	PSoC 6 MCU: P	CY8C6347BZI-B	Cypress Semico
1	U2	2150003731	MX25L6433	VSOP-8	3V, 64M-BIT [x	Flash memory	Macronix Intern
2	U3, U12	88752401	TLC5971	QFN-24	12-Channel, 16	TLC5971RGE	Texas Instrume
1	U4	90741221	74HC1G32	SOT-23/5	2-input OR gat	MC74HC1G32D	ON Semicondu
2	U5, U7	88255403	MP2456	SOT-23/6	0.5A Buck Regu	MP2456GJ	Monolithic Pow
2	U6, U10	88752403	BCR401U	SOT-23/6	LED DRIVER	BCR401UE6327	Infineon Techn
1	U8	90535233	TLE75008EMD	SSOP-24	IC RELAY DRIV	TLE75008EMD	Infineon Techn
2	U9, U11	90535230	TJA1027	SON-8	LIN 2.2A/SAE J	TJA1027TK/20/	NXP
1	U13	2150014579	MAX31820	TO-92	1-Wire, Parasite	SOT-92 MAX31	Maxim Integrat
1	Y3	2150003734	ECX1637-32M000	(SMD-4)	Crystal, 32.000	Crystal, SMD-4	ECS Inc.
3	Z1, Z2, Z3	2150003704	330ohm@100MHz	0603	300Ω, 1.7 A, 80	0603 MPZ1608	TDK Corporatio
2	Z4, Z5	90690910	180ohm@100MHz	0603	FERRITE BEAD	BLM18EG181SI	Murata Manufa

ManPartNumbe	Footprint	LibRef
	BLE_ANTENNA	THOR-0335
GRM155R71H1	CAPC1005X55N	THOR-0001
GRM155R61E1	CAPC1005X55N	THOR-0046
CL05A475MP5	CAPC1005X55N	THOR-0231
CL31B106KBHN	CAPC3216X180	THOR-0004
CL10A105KB8N	CAPC1608X80N	THOR-0003
CL05C470JB5N	CAPC1005X55N	THOR-0005
CL05B103KB5N	CAPC1005X55N	THOR-0002
CL31B105KCHS	CAPC3216X180	THOR-0319
CL05B222KB5N	CAPC1005X55N	THOR-0006
CL05C331JB5N	CAPC1005X55N	THOR-0007
CL21A475KAQI	CAPC2013X135	THOR-0333
PESD3V3L1UL	DFN98X58X50	THOR-0217
1N4148X-TP	SODFL1608X79	THOR-0008
PMEG4010AES	DFN100X60X30	THOR-0011
ARGB1313HS-T	LEDCAV104P20	THOR-0323
MBRAF440T3G	SODFL5126X11	THOR-0012
SMAJ26CA-TP	DIOM5027X26	THOR-0013
SMA6J26A-TR	DIOM5126X22	THOR-0014
156125RV7300	LEDC3212X28-	THOR-0208
MAKK2016T2R	INDC2016X100	THOR-0228
NRS6028T330N	INDM6060X28	THOR-0015
LQH32PN100M	INDM3228X17	THOR-0016
OQ125E00B000	HDRV_ANYTEK	THOR-0018
503480-2400	MOLEX_503480	THOR-0336
FTSH-105-01-L	HDRV_SAMTEC	THOR-0060
FTSH-102-01-F	HDRV_SAMTEC	THOR-0061
DTC114EET1G	SOT50P160X90	THOR-0019
PBLS4002Y	SOT65P210X11	THOR-0020
DMP2035UQ-7	SOT92P240X12	THOR-0223
AO3434A	SOT95P270X12	THOR-0327
CRCW0402348	RESC1005X40N	THOR-0021
CRCW040211K	RESC1005X40N	THOR-0289
CRCW04022K4	RESC1005X40N	THOR-0026
CRCW0402000	RESC1005X40N	THOR-0122, THOR-0269
CRCW040248K	RESC1005X40N	THOR-0045
CRCW0402560	RESC1005X40N	THOR-0022
ESR10EZPF470	RESC2012X65N	THOR-0025
CRCW0402150	RESC1005X40N	THOR-0044
CRCW040249R	RESC1005X40N	THOR-0023
RT0402BRD071	RESC1005X40N	THOR-0083
RT0402BRD071	RESC1005X40N	THOR-0085
RT0402BRD075	RESC1005X40N	THOR-0086
ERJ-PA3F3900V	RESC1608X55N	THOR-0087
RT0402BRD073	RESC1005X40N	THOR-0084
RK73H1JTTD39	RESC1608X55N	THOR-0030
ESR10EZPF100	RESC2012X65N	THOR-0031
ERJ-3RQFR47	RESC1609X55N	THOR-0334
ESR10EZPF100	RESC2012X65N	THOR-0091

ESR10EZPF750	RESC2012X65N	THOR-0092
CY8C6347BZI-B	BGA124CP65_1	THOR-0326
MX25L6433FM	SOIC127P790X	THOR-0276
TLC5971RGE	QFN50P400X40	THOR-0034
MC74HC1G32D	SOT95P275X11	THOR-0035
MP2456GJ	SOT95P280X10	THOR-0036
BCR401UE6327	SOT95P250X11	THOR-0080
TLE75008EMD	SOP65P600X17	THOR-0037
TJA1027TK/20/	SON65P300X10	THOR-0038
MAX31820PAR	TO92-175P495	THOR-0332
ECS-320-10-37	OSCCC200X16	THOR-0274
MPZ1608S331A	FERC1608X95N	THOR-0229
BLM18EG181S	FERC1608X95N	THOR-0116